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VOLUME VIII

THE

NUMBER 6

ALUMNI REVIEW

MARCH, 1920

OPINION AND COMMENT

Alumni in Action—Tar Heel Program—Worth
Thinking About—Buildings Underway—Course
in Contemporary Civilization—Greater Spe-
cialization Needed—Changing Center
of Gravity

ALUMNI HOLD CONFERENCE

Presidents and Secretaries of Local Alumni Associa-
tions Formulate a Program of Alumni Work

INAUGURATION PROGRAM ANNOUNCED

CLASS OF 1910 PLANS FOR ITS DECENNIAL
REUNION

UNIV. OF N.C.



MDCCCXXV RTIS DEL. 1912

PUBLISHED BY
THE ALUMNI ASSOCIATION

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CHARLOTTE, NORTH CAROLINA

THE ALUMNI REVIEW

Volume VIII

MARCH, 1920

Number 6

OPINION AND COMMENT

THE REVIEW hailed the meeting at the University of the local directors of the Graham Memorial campaign in November as one of the most heartening events in the history of the University, because it saw in the coming together of the men assembled something that looked to the welfare and upbuilding of the University and a willingness and determination to see the particular undertaking in hand through to a successful ending.

If possible, it hails the assembling of the first annual conference of local alumni association presidents and secretaries, which was held at the Hill on the night of February 26th, with even greater pleasure; for it sees in this sort of reasoning together the prospect of a real program of unified, constructive alumni effort in behalf of Alma Mater.

Particular attention is directed to the report of the meeting found on another page. Every alumnus should carefully study the program suggested and should assist in putting it into effective operation.



A close observer of the campus from time to time finds his admiration challenged by some manifestation of unusual loyalty or thoughtfulness

Tar Heel Program on the part of an individual, a group, an organization, or a class. During the S. A. T. C. the "Y" functioned in a manner that maintained Carolina traditions under exceedingly difficult conditions. In the fall of 1918 the class of 1919 picked up the loose threads of former campus custom with distinct benefit to the University community. More recently the Campus Cabinet, a new organization, without precedents or limitations, has put its collective finger on some particular spots in the academic life with gratifying results.

The following program, taken from the *Tar Heel* of February 21st, under the title of "The *Tar Heel's* Program for the University's Development," is representative of the constructive thinking the above paragraph contemplates, and it is passed on to the alumni and trustees as worthy of their special consideration.

The *Tar Heel* takes this opportunity to set before

the students its program for the development of our rapidly-expanding University.

1. Dormitory accommodations adequate for the comfortable housing of University students now and for the increase of several years to come.

2. Increased research and class-room facilities to be obtained only by a liberal building program of departmental buildings.

3. Remodeling and modernizing of our antique structures.

4. Co-operation with the University by the student body in keeping the campus and dormitories clean.

5. Co-operation with the University in keeping the campus unlined by unnecessary paths.

6. Co-operation with the University in bringing to the attention of responsible and earnest citizens of this State the present needs of the University; to do this by letter or by personal contact.

7. A better acquaintance with the great body of tradition on which our University life is founded.

8. A whole-hearted and sincere support of our honor system and all that it stands for.

9. An increased observance of the fundamental rules of hygiene and the general caretaking of our bodies.

10. Recognizing the continual sense of responsibility that should rest with every University man; the knowledge that the University is represented solely through us and likewise judged through our actions.

11. An observance of the more fastidious rules of conduct in our daily relations with each other; a complete resignation of former slight breaches of etiquette in the mess hall or at public gatherings. For by these things is a University man judged by the lay observer.

12. To remember always to be loyal citizens of the finest community in the world; to cherish our relations with the University because of her fineness and truth, for what she has done and will do for us; to be University men and not "boys" or "village fellows."



President M. L. Burton, of the University of Minnesota, has recently tendered his resignation and on July 1st is to become president of

Worth Thinking About the University of Michigan. As THE REVIEW understands it, the salary which Minnesota offered to retain him was not less than that offered by Michigan—it

was actually more. But, according to the *Minneosta Alumni Weekly*, two other considerations brought about the decision. The paragraph below explains:

"The regents did everything possible to keep him, but the \$10,000 annual retiring allowance offered him by Michigan, and the Hill Auditorium, one of the finest in the country, won the day for Michigan. We have known that President Burton felt that he was severely handicapped at Minnesota by the lack of an auditorium where he could meet the students and faculty and cultivate among them an institutional consciousness and spirit. All this is immediately available at Michigan, and at best he could not have hoped for equally desirable conditions at Minnesota for five or six years."

Read it, please, and note where the emphasis falls! Not on the \$10,000 retiring allowance (President Burton is around forty-five and his salary makes a comfortable old age possible without a retiring allowance) but on the Hill auditorium—a place (mark the words) "where he could meet the students and faculty and cultivate among them an institutional consciousness and spirit."

The Carolina spirit! Whence does it spring? Had Graham and Stacy and their predecessors been without the platform in Gerrard Hall, would Carolina spirit be what it is today? Can the University and alumni and trustees expect it to remain what it is or become more vital in the days ahead without a chapel or auditorium that will accommodate the student body? President Burton, through his action which speaks louder than words, says no. And as we slip into chapel these days—Gerrard Hall built in 1822 to accommodate only a handful of students—and note the presence of only 600 of the 1400 students and that too of Freshmen and Sophomores only, fifty per cent of whom will not reach graduation, we are forced to the same conclusion.

Frankly, here is a serious matter, the effective answer to which is a modern auditorium.



In the foregoing paragraphs we believe the case has been stated for the need of a new auditorium.

But it is not our purpose in this issue to mention specifically the need of buildings by which the University is sorely pressed.

On the contrary, it is our purpose at this time merely to take stock of the building program which has recently been projected and will soon be under way. This, briefly, is as follows: (1) Ten houses for members of the faculty have been determined upon and the preliminary work of location has al-

ready been begun; (2) Two dormitories have been authorized, and as soon as plans are submitted and approved work on them will be begun.

The faculty houses, which will be located to the south of Franklin Street between the residences of Dr. Pratt and the late President Graham, will be in readiness by September. Unfortunately the dormitories will not.

But with these plans definitely under way, the time is not far distant when the best thinking of which the University is capable, individually and collectively, will be required in formulating the building program of the future. For the University has reached the final limits of expansion consistent with its present physical plant. This duty THE REVIEW would place seriously upon every one who would have the University make its readjustments promptly and insure its proper functioning in the North Carolina of tomorrow.



Similarly we think the time opportune to direct attention to the necessity of reorganization within the University on its administrative side, both in the field of instruction and business organization. We hold no brief for surveys, as such; but with the addition of schools and officers and courses, the need for closer co-operation throughout the entire instructional staff is painfully obvious, and a thorough analysis should be made of the situation which would lead to a properly articulated, adequate system of procedure.

On the business side, the necessity is even more obvious. Men around whom three or four or five offices have grown up find themselves overwhelmed with increased duties and whenever they have to give adequate thought to the performance of one set the others have to go neglected. As a result, no sustained planning can be thought through, and the machinery of the University, upon which both the educational and business programs of the institution necessarily depend, is slowed down at its very heart.

We have on several former occasions pointed out the necessity for this particular sort of reorganization, for this provision of more minute subdivisions in the present organization, and for additional men to take charge of them and to be held to a stricter accountability for the performance of their more highly specialized duties. In 1900, when the student body numbered approximately 500, deanships, committee work, the management of publications, were not particularly burdensome. Similarly, the management of the power plant, the dining halls, the

buildings and grounds, the library, and other offices and buildings were comparatively simple. But with 1,400 students and the corresponding expansion in the activities of every office on the campus, duties have multiplied more rapidly than additional officers have been supplied to take care of them, so much more rapidly, in fact, that at present the efficiency of the University is at the breaking point.

THE REVIEW is in no sense an alarmist. But in this period in which the University is considering its immediate future, it would emphasize with all the power of which it is capable, that greater specialization and correspondingly stricter accountability in the fields of academic and business organization are absolutely essential.



A study of the reports of the presidents and officers of other institutions is always stimulating and frequently highly profitable in that it affords the means of comparing standards and noting new educational tendencies and movements. The recent report of President Butler, of Columbia University, is especially rich in suggestion. Two observations, on a new course in contemporary civilization and the changing center of gravity in university studies, respectively, are particularly worthy of note and are given in full below.

One of the notable educational advances of the year is the institution, under the faculty of Columbia College, of a course of instruction in contemporary civilization prescribed for all Freshmen. The object of this course is to give first year college students an outlook over the modern world, as well as a point of view that will enable them better to understand and to appreciate their subsequent studies. For those college students who are enamored of the cruder and more stupid forms of radicalism, early instruction in the facts relating to the origin and development of modern civilization and the part that time plays in building and perfecting human institutions, is of the greatest value. For those college students who are afflicted with the more stubborn forms of conservatism, early appreciation of the fact that movement and development are characteristic of life and that change may be constructive as well as destructive, is most desirable. The main purpose of the course is to lay a foundation for intelligent citizenship, and to enable undergraduate students to prepare themselves to make decisions concerning public questions with intelligence and with conviction. It is not the purpose of this course to teach or to preach doctrine, but rather to show the movement of civilization in its great achievement of constructive progress. The content of the course is drawn not merely from history,

but from economics, politics, ethics and social science.

This course is not to be the work of any one teacher or of any single department. Its syllabus has been elaborated by some thirty or forty undergraduate teachers working together, and it is now being carried on by sixteen teachers, five times a week, in sections of about twenty-five students each. The course requires a large number of books of reference and a wide range of reading on the part of those who take it. A special college study has been provided, and through the generosity of alumni properly furnished and equipped with at least fifty copies of each book needed by students in this course. It is too early to estimate the full benefits of this undertaking, or perhaps even to point out the value of its method as an example in other fields of instruction; but it is certain that both teachers and students are deeply interested in the course and have strong faith in its usefulness and power of inspiration.



The center of gravity of a university's interest moves from point to point. The fundamental interpretative subjects, history, literature, and most of all philosophy, of course retain their primacy amidst all change. Fifty years ago the center of gravity lay in the classical languages and literatures. It then moved, with results that were not entirely satisfactory, to the natural and experimental sciences. From these it moved a little later to the field of social and political science, and there perhaps it rests at the present time, although in a state of unstable equilibrium. It seems likely that in the near future the most important subjects in Columbia University are to be public law, international relations, public health, chemical engineering, business administration, training economic advisers for industrial and financial institutions, and the teaching of French and Spanish. The political, economic, and purely business developments of the past decade, especially as these have been influenced by the war, combine to bring about this result. The work now being provided in these various subjects should be carefully examined and studied with a view to its improvement, strengthening and development, in order that there may be no lack of leadership when the increased demands are made upon us.

VIRGINIA DROPS OUT OF TRIANGULAR DEBATE

The triangular debating arrangement between North Carolina, Virginia, and Johns Hopkins has been changed this year by the dropping out of Virginia and the substitution of Washington and Lee. The debate will take place May 1st, each institution, as usual, debating each of the other two. The query is: "Resolved, That a system of universal military training for young men should be adopted by the United States."

ALUMNI HOLD FIRST ANNUAL CONFERENCE

Presidents and Secretaries of Local Alumni Associations Formulate a Program of Alumni Work

In order to formulate a more comprehensive plan of alumni assistance in the development and work of the University, a special conference of presidents and secretaries of local alumni associations was held at the University on the night of February 26th upon the call of R. D. W. Connor, President of the General Alumni Association, and the invitation of President Chase. The meeting was in the "Coop," the delegates being the guests of the University at a special dinner.

A Program to Support

The meeting was of the informal get-together sort and immediately got down to the consideration of definite alumni problems presented by President Connor, President Chase, A. M. Coates, E. R. Rankin, Howard Rondthaler, H. M. London, J. W. Unstead, Jr., and L. R. Wilson. Open discussion followed, in which the following conclusions, in the form of adopted resolutions, were reached:

1. That we approve the policy of a full-time, paid Alumni Secretary to devote all of his efforts to the advancement of alumni interests, and that the president be authorized to appoint a committee to meet in Raleigh within a short time to make definite plans for securing such Alumni Secretary.

2. That we favor the holding of a conference of presidents and secretaries of local alumni associations at Chapel Hill during the fall of each year, and that we urge our fellow-officers of local associations to make every effort to attend.

3. That we urge the support and co-operation of the county alumni associations in carrying through the program of development as set forth in the February number of THE ALUMNI REVIEW.

4. That we heartily endorse the suggestion for a general catalogue of the University, that we bring this undertaking to the attention of our local alumni associations, and that we will especially assist (1) through securing data regarding alumni and (2) through the sale of the catalogue locally.

5. That we call the attention of the local alumni associations to the pressing need for a new hotel at Chapel Hill, and urge the co-operation of these associations in advancing the movement for a new hotel.

Full-Time Alumni Secretary to Be Employed

The most important decision taken by the conference was that of employing a whole-time Alumni Secretary and the establishment of an alumni office, with complete records, at the University. For this purpose \$1,000 was pledged by the alumni present and President Connor named the following committee

to perfect plans: H. E. Rondthaler, H. B. Stevens, J. W. Unstead, Jr., Jos. B. Cheshire, Jr., J. R. Baggett.

The following committee was appointed to prepare a report for the General Alumni Association on the results of the conference: W. M. Hendren, A. E. Woltz, E. R. Rankin.

Other Important By-Products

Other suggestions made in the course of the meeting, but not formally covered by resolutions, were: (1) That in the selection of local association presidents and secretaries, alert, aggressive men be chosen rather than those whom the association would like to honor but who would not advance the interests of the association and University; (2) That meetings be held more frequently (see Asheville plan below) and that at each meeting some definite proposal be considered; (3) That the alumni enlist the co-operation of the local press in giving publicity to the work of the University; (4) That they assist in bringing the services of the University, such as those offered through the Bureau of Extension and other organizations, to the attention of the public; (5) That they make known the needs of the University and enlist the support of citizens and legislators; and (6) That the loyalty and devotion of every alumnus be turned to good account in the support of the University program of growth and service.

Asheville Alumni Present Meeting Plans

Judge H. B. Stevens and C. W. Johnson, of the Asheville association, presented the following plan which Asheville has recently adopted:

Realizing that the University of North Carolina is a great public service corporation, the Asheville alumni believe that alumni everywhere can render a distinct service to the State by serving the University.

They believe that this service has not hitherto been rendered for two reasons: 1st, because the University was thought of as the object of the service rather than the means of making that service effective; and 2d, because there was no machinery for, or program of such service.

As the contemplated organization of the alumni will provide the machinery, the Buncombe County alumni suggest the following program as the minimum:

1. That the alumni of every town and village form a University Club.

The object of these suggestions is that the alumni form the habit of getting together in a happy, friendly way and talking about the University in its great work of service to the State. The University Clubs

In addition to President Chase, the following alumni were present: R. D. W. Connor, H. M. London, J. B. Cheshire, Raleigh; H. E. Rondthaler, W. M. Hendren, Winston-Salem; F. O. Clarkson, Charlotte; H. B. Stevens, C. W. Johnson, Asheville; A. E. Woltz, Gastonia; P. H. Gwynn, Leaksville-Spray; J. R. Baggett, Lillington; W. C. Wicker, Elon College; J. W. Umstead, Jr., Tarboro; Collier Cobb, A. H. Patterson, L. R. Wilson, C. T. Woollen, E. R. Rankin, F. P. Graham, A. M. Coates, Chapel Hill.

THE GRADUATE SCHOOL*Pending*
PRESENTATION OF THE PRESIDENT*Ex President F. P. Venable*

ADMINISTRATION OF OATH OF OFFICE

Chief Justice Walter Clark

INDUCTION INTO OFFICEGovernor Thomas W. Bickett

INAUGURAL ADDRESSPresident Harry Woodburn Chase

GREETINGS:

STATE UNIVERSITIESPresident Edwin A. Alderman,
of the University of VirginiaCOLLEGES OF NORTH CAROLINAPresident W. L. Potcat,
of Wake Forest College

PUBLIC SCHOOLS OF NORTH CAROLINA

E. C. Brooks, Superintendent of Public Instruction

ALUMNIW. N. Everett

STUDENT BODYE. E. White, Jr.

FACULTYDr. Archibald Henderson

BENEDICTIONThe Right Reverend Joseph B. Cheshire

CLASS OF 1910 PLANS FOR ITS DECENNIAL REUNION

Preparations are now being made by the class of 1910 for its decennial reunion, which will be held at the next Commencement. The members of this class are planning to have a large attendance and to make their reunion a notable one. Secretary Joe R. Nixon, of Edenton, has recently sent a questionnaire to his classmates requesting information concerning their doings and whereabouts since graduation. From early returns to Secretary Nixon the following notes of interest are obtained:

John O. Askew, Jr., is in the mercantile business at Harrelsville.

W. L. Daniel is practicing law at Winton. He is president of the Farmers and Merchants Bank and is also interested in the mercantile business. During the past two sessions of the legislature he was assistant to the principal clerk of the House. He entered the service as a private and became second lieutenant of a machine gun company.

W. B. Rodman Guion is practicing law at New Bern. He was in military service for two years.

John A. Guion is a member of the law firm of Guion and Guion at New Bern. From 1915 to 1917 he was with the legal department of the Norfolk and Southern Railroad. He served as second lieutenant of Field Artillery for six months on the Mexican border and as first lieutenant of the 11th Field Artillery overseas. His regiment took active part in the Meuse-Argonne offensive.

T. J. Hackney is with the Hackney Buggy Company in Wilson.

J. Edward Hughes is general manager of the Dare Lumber Company of Elizabeth City. Mr. Hughes has been connected since graduation with this lumber corporation, which is one of the largest in eastern North Carolina.

Charles G. Mullen was one of four brothers to volunteer in the service. He held a commission as first lieutenant. He is now general manager of the *Tampa Times*, Tampa, Fla.

T. T. Murphy is county superintendent of schools of Pender County and is also interested in farming. He lives at Burgaw.

Paul M. Montague enlisted in the aviation section U. S. Signal Corps, in April, 1917, and was commissioned first lieutenant the following September. He served with the First Pursuit Group of the A. E. F., on the Toul Front from May 18th to June 30th, 1918, and on the Chateau-Thierry front from July

1st to July 30th, 1918. From July 30th to November 29th he was a prisoner of war. He secured his discharge from service February 4, 1919.

Dr. T. F. Nisbet is practicing dentistry at Albemarle, and is the father of four children—a boy, a girl, and twin daughters.

R. Grady Rankin, of Gastonia, is president and active head of three cotton mills; active vice-president of the Carolina Yarn Corporation, of Philadelphia; vice-president Gastonia Insurance and Realty Company; a bank director and a member of the Gaston County board of commissioners. He married Miss Ruth Boyce in 1913, and is the father of two children, the younger R. Grady, Jr.

W. Marvin Snider was with the Wachovia Bank and Trust Company of Salisbury for five years, and since that time has been president of Snider and Company, wholesale grocers, Salisbury.

Leon G. Stevens is practicing law at Smithfield. He married Miss Ethel Gordon Sefton in 1912, and is the father of two boys and one girl.

D. L. Struthers has been city engineer of Wilmington since leaving Chapel Hill. He has also done engineering work with a number of drainage and construction companies. He married Miss Louise Vallery in 1912, and is the father of three children—one son and two daughters.

Dr. Hugh A. Thompson is practicing medicine in Raleigh. He was in active service from July, 1917, until discharged in July, 1919. He served as captain in the U. S. Medical Corps, first with the British and later with the French forces. He married Miss Barbara Smith in England, February 25, 1919.

Richard Urquhart is farming at Woodville. He married Miss Kate Nelson Fenner, of Halifax, and is the father of a boy and girl.

TRACK TEAM SCHEDULE

Graduate Manager Charles T. Woollen has announced the following track schedule:

April 7th—Dual meet with Trinity in Durham.

April 24th—Three-cornered meet with Virginia and V. M. I. in Charlottesville.

May 1st—North Carolina State meet in Chapel Hill.

May 8th—South Atlantic Intercollegiate Athletic Association meet in Blacksburg, Va.

CIVIL ENGINEERING ALUMNI NOTES

Professor T. F. Hickerson, class of 1904, associate professor of civil engineering in the University, hands THE REVIEW the following notes of interest concerning former students of civil engineering in the University:

W. L. Spoon, '91, is division highway engineer with the Bureau of Public Roads, Washington, D. C. He is chief representative of the Government in the State of North Carolina on all federal-aid projects.

Col. Ernest Graves, '00, of Washington, D. C., colonel of engineers, U. S. Army, received the D. S. M. for exceptionally meritorious and distinguished services during the war. He was charged with the construction of the Gievres storage depot and later was appointed engineer officer of the Intermediate Section, Services of Supply, where he was placed in charge of all construction projects west of Bourges. As engineer officer of Base Section No. 2, and of the Advance Section, S.O.S., he performed the duties with which he was intrusted in a conspicuously meritorious manner.

Brent Drane, '02, of Charlotte, is a specialist in town and suburban improvement with the firm of Blair and Drane.

Robert G. Lassiter, '05, of Oxford, is president of Robert G. Lassiter and Co., construction engineers, with home offices at Oxford and branch offices in Norfolk, Raleigh, Durham and Greensboro. This company has done extensive contracting work in North Carolina and Virginia in municipal improvement of various kinds, chiefly road and street pavements.

N. C. Hughes, Jr., '03, of Laurens, S. C., is county highway engineer of Laurens County, South Carolina. L. M. Ross, '08, of Gastonia, is county engineer of Gaston County. J. M. Costner, '09, of Jackson, Miss., is engaged in agriculture and live stock raising. R. T. Brown, '11, of Columbia, S. C., is chief of surveys, State Highway Commission of South Carolina. N. S. Mullican, '11, of Lexington, is county highway engineer of Davidson County. J. E. Wood, '11, of Elizabeth City, is first lieutenant engineers, U. S. Army. He is now stationed in Poland. T. M. Price, '12, is located at 202 14th Street, North, Seattle, Wash. He is a civil engineer with a construction company. C. R. Thomas, '12, is located at 11 E. Gilman St., Madison, Wis. He is a member of the civil engineering department, University of Wisconsin. D. L. Struthers, '10, is located at 11 N. 8th St., Wilmington. He is an advisory civil engineer with Geo. A. Fuller Co., Carolina Shipyard.

J. B. Clingman, '12, of Raleigh, is chief maintenance engineer of the North Carolina State Highway Commission. S. E. Barbour, '13, of Clayton, is engaged in real estate and mercantile business. R. P. Coble, '13, was division engineer for the North Carolina State Highway Commission until January 1st. He is now secretary and treasurer of the Atlantic Bridge Company, Roanoke, Va. J. L.

Parker, '13, of Aboskie, is engaged in general civil engineering work. J. L. Phillips, '13, of Kinston, is engaged in the practice of civil engineering. P. M. Smith, '13, is a civil engineer with the Southern Railway. His address is Box 117, Lexington, Ky. He is masonry inspector and draftsman on additional main track construction from Huffman, Ky., to Lansing, Ky. L. E. Whitfield, '13, of Clinton, is county engineer for Sampson County. Collier Cobb, Jr., '14, of Durham, is an engineer with Robert G. Lassiter and Company. He is superintendent in charge of city paving, Durham. H. W. Collins, '14, of Camp Humphreys, Va., is captain of engineers, U. S. Army. R. A. Reed, '14, is with the Wachovia Bank and Trust Company, Winston-Salem. W. S. Wicker, '14, of Wilmington, is with the Atlantic Coast Line Railroad, engineering department.

E. J. Lilly, Jr., '15, of Camp Grant, Ill., is first lieutenant in the U. S. A., with the 17th Machine Gun Battalion. R. P. Brooks, Jr., '16, of 6216 Howe St., Pittsburgh, Pa., is engineer for the C. and O. Telephone Company. C. L. Fore, '16, of Charlotte, is a member of the firm of Love and Fore. He was formerly engineer for the Southern Bell Telephone and Telegraph Company. R. M. Homewood, '16, of Raleigh, is engineer with Robert G. Lassiter and Company. He is superintendent in charge of constructing the asphalt road from Raleigh to Cary. H. Patterson, '16, of Raleigh, is engineer with Robert G. Lassiter and Company. He is in charge of materials on the Raleigh-Cary construction. J. H. Hale, '17, of Laurens, S. C., is with the Laurens County Highway Commission, engaged in construction of sand-clay roads. C. W. Higgins, '17, of Fort Howard, Md., is a first lieutenant of aviation, U. S. A. W. G. Monroe, '17, native of Wilmington, who was recently a second lieutenant, Coast Artillery, is now with the record sales department of the Columbia Graphophone Co., Chicago, Ill.

R. W. Parks, '17, of Greensboro, is a highway engineer with the North Carolina State Highway Commission. G. Slover, '17, of Laurens, S. C., is a highway engineer with the Laurens County Highway Commission. M. M. Williams, '17, of Winston-Salem, is highway engineer with the North Carolina Highway Commission. E. A. Griffin, '18, of Goldsboro, is secretary and treasurer of the A. T. Griffin Manufacturing Company, lumber manufacturers. W. F. Morrison, '18, of Raleigh, is with the bridge design department of the North Carolina State Highway Commission.

William H. Bobbitt, of Charlotte, a member of the Junior class, speaking on "The Present Crisis in American Democracy," won from a field of nine contestants the right to represent the University at the annual contest of the Southern Oratorical League, to be held in Lexington, Kentucky, March 5th.

GRAHAM KENAN DIES IN NEW YORK

Graham Kenan, graduate of the class of 1904 and member of the Board of Trustees and Visiting Committee in recent years, died of influenza-pneumonia in New York City on Thursday night, February 5th, after an illness of slightly less than two weeks. The news of his death on the campus, where he had been particularly well and favorably known both as a student and alumnus, was received in a telegram to Prof. H. H. Williams, and came as a profound shock to the University.

Mr. Kenan was born in Kenansville, Duplin County, November 20, 1883, and was therefore in the 37th year of his age. His parents were James Graham Kenan and Annie (Hill) Kenan. He was educated in the public schools of his county, at Horner Military Academy, and at the University. He graduated in 1904, was a student in the University Law School 1904-05, and, received his license in 1905. Locating in Wilmington, he opened an office in his own name, and later formed partnerships with three University men under the firm names, respectively, of Kenan and Herring, Kenan and Stacy, and Kenan and Wright. Mr. Kenan continued as a member of the bar of Wilmington until the spring of 1918 when he removed to New York where he could give closer attention to his large interests there.

On December 18, 1912, Mr. Kenan married Miss Sarah Kenan, a daughter of the late Capt. William Rand Kenan. Mrs. Kenan; his mother, Mrs. James G. Kenan; his sister, Miss Emily H. Kenan, of Wilmington; Dr. Owen Kenan, of New York; and Thos. S. Kenan, of Atlanta, survive him. Interment was in Oakdale cemetery, Wilmington, on Monday afternoon, February 8th, the University being represented at the funeral by Dean George Howe.

In the death of Mr. Kenan the University not only sustains the loss of a most devoted alumnus, but of a representative of a North Carolina family whose service to the University throughout the years has been unusually distinctive. Mr. Kenan was a nephew of the late Colonel Thos. S. Kenan, thirty years a trustee of the University and twenty years president of the General Alumni Association, and a cousin of the late Mrs. Robert W. Bingham, founder of the present Kenan fund of the University.

ALUMNI NEWS FROM DAVIE HALL

Dr. W. C. Coker, head of the department of botany in the University has given THE REVIEW the following news notes concerning alumni who specialized in botany while students in the University:

H. A. Allard, class of 1905, was the first assistant in the botany department after its organization. He came here from Massachusetts and largely made his expenses while in college. He was always an enthusiastic naturalist and while here was generally known by the students as "Bull of the Woods." He enjoyed all phases of nature and his studies on insects have been continued as a side line. At present he is one of the best known authorities of the United States on the notes of crickets and grasshoppers, and has published a beautiful paper in *Country Life in America* on "Grasshoppers and Crickets and Their Notes." His main work, however, has been in botany. He went from here to the Department of Plant Industry of the U. S. Department of Agriculture, Washington, and has made a name for himself as one of the best research men they have. Mr. Allard is just now publishing a large paper with Dr. W. W. Garner, a South Carolinian—also of the Department—on the "Behavior of Flowering Plants as Affected by Light Duration." From what I can learn, this will be one of the most important contributions to the physiology of plants published in America in recent years. It opens a new field and places the authors in a very favorable position to interpret better than ever before the seasonal growth of plants and their natural distribution.

N. A. Reasoner, class of 1917, was instructor in botany during 1917-18. After adventures in several fields he has settled down to active participation with his father in the management of the large Royal Palms Nursery, Oneco, Florida. Mr. Reasoner is particularly fitted for just this kind of work, and, with his interest in systematic botany and his training in the general subject, will, I believe, be interested in placing his business on the higher scientific basis that distinguished the founders of the older nurseries in this country, such as P. J. Berckmans, Thomas Meehan, Peter Henderson, Downing Bros., and others.

Ivey Lewis, class of 1902, began his study of botany here and then went to Johns Hopkins University for his doctor's degree. He is now professor of botany at the University of Virginia. He has made a reputation as a skillful investigator on the cytology of the lower plants and has published valuable papers.

Curtis Vogler, class of 1919, was instructor in botany during 1918-19. He is now assistant plant breeder in the Pedigreed Seed Company, at Hartsville, S. C., where he seems to have found exactly the kind of work he is best fitted for. He writes with great enthusiasm of his interest in his work, and will have the unique advantage in the future of being

under the direction of Dr. H. J. Webber, whose reputation as a scientific plant breeder is not surpassed by any man in America. Dr. Webber was for many years head of all the breeding work of the U. S. Department of Agriculture, and is going to Hartsville this year from the Department's citrus fruit experiment station at Riverside, Cal.

FULLER SELECTED AS COACH

Myron E. Fuller, of Yale, line coach at West Virginia University last fall and for seven years prior to that coach at various institutions in the northeast, will be head coach of the football team next fall, succeeding Thomas J. Campbell, of Harvard, who is giving up football for business.

The announcement was made recently by Graduate Manager Charles T. Woolen who said at the same time that there would be two assistant coaches, one especially for the backfield and the other probably for ends. Negotiations are under way now for these men, one of whom at least will probably be a Carolina alumnus.

Fuller was in Chapel Hill early in February when he met Captain Harrel and 125 candidates for the 1920 team. He is a giant of a man, tall, powerfully-built, with an aggressive and magnetic personality, and he made a strong impression on the football men.

"You need have no fear of a change in the system of football that you have used," Fuller said to the candidates. "There are no different systems in the fundamentals of football, and the basic principles that you learned under Campbell will serve you in good stead with me."

Fuller comes to North Carolina with a record of long experience and marked success as a coach. A native of New York, he graduated from Yale in 1911, where he was a guard and tackle on Freshman and varsity teams. He has coached every year since then. In 1912 and 1913 he was with Stevens Institute at Hoboken and in 1914 and 1915 with Colby College, at Waterville, Maine. Haverford School had him in 1916, Swarthmore College in 1917, and in 1918 he coached at Hog Island Shipyard, near Philadelphia. Last year he was line coach at West Virginia University.

His 1914 Colby team is considered the strongest ever turned out in Maine and ran up 277 points to its opponents' 49. In addition to beating the University of Maine, Bowdoin, and Bates, it beat Holy Cross 17 to 0 and played the Navy a 21-31 game. The 1917 Swarthmore team was also of championship caliber in its class, beating Lafayette 56 to 0, Haverford 57 to 7, and playing Pennsylvania a 0-10 game.

The West Virginia team last fall was one of the best in the country. Although beaten by Pittsburg, it electrified the football world by defeating Princeton 25 to 0, and it won also from Rutgers, 30 to 7, and from Washington and Jefferson, 7 to 0. The Mountaineers developed a remarkable offense. They made great use of an open attack, using formations from which always one receiver was left uncovered for passes and at the same time spreading out the defense so much that running plays gained a great deal of ground.

A large amount of veteran material will be ready for the new coach next fall. Of the eighteen letter men, ten are certain to return and four more are probably coming. In addition the Freshman squad will send up a lot of strong material.

BASEBALL STARTS APRIL FIRST

Graduate Manager Charles T. Woolen has announced a baseball schedule of twenty-two games, including contests with all the colleges in the State, three meetings with Virginia, and a northern trip with six dates, running as far North as the University of Pennsylvania.

All of these games will be played between April 1st and May 12th, which means that between those dates the team will be averaging several games each week.

The first Virginia game will be played in Charlottesville, April 10th, the second in Greensboro, April 24th, and the third in Chapel Hill, April 26th. The two A. and E. games will be played April 7th and 16th, the latter in Chapel Hill. The total schedule is as follows:

April 1st—Guilford, at Chapel Hill.
 April 2d—Stevens Institute, at Chapel Hill.
 April 3d—Maryland State, at Chapel Hill.
 April 5th—Davidson, place uncertain.
 April 6th—Richmond College, place uncertain.
 April 7th—A. and E., at Raleigh.
 April 10th—Virginia, at Charlottesville.
 April 12th—Washington and Lee, at Danville.
 April 14th—Elon, at Chapel Hill.
 April 16th—A. and E., at Chapel Hill.
 April 19th—Wake Forest, at Chapel Hill.
 April 21st—Trinity, at Chapel Hill.
 April 24th—Virginia, at Greensboro.
 April 26th—Virginia, at Chapel Hill.
 April 29th—Georgetown, at Washington.
 April 30th—Catholic University, at Washington.
 May 1st—Maryland State, at Baltimore.
 May 3d—Haverford, at Haverford, Pa.
 May 4th—Swarthmore, at Philadelphia.
 May 5th—Pennsylvania, at Philadelphia.
 May 8th—Wake Forest, at Wake Forest.
 May 12th—Trinity, at Durham.

Baseball Prospects

Coach William Loureey arrived in Chapel Hill shortly after the middle of February but regular baseball practice could not be started until after March 1st. An impressive squad of veterans headed by Captain Feinster was waiting for him, including three veteran pitchers, Wilson, Joyner, and Llewelyn, and two catchers, Younce and Roberts. Other letter men included Corton and Milton, infielders, and Lewis, outfielder. McLean, infielder, and Samuders, outfielder, who were not eligible last year, are expected to make good. Douglas, former first baseman at Trinity, Sweetman and Proctor, outfielders, Fields and Swift, pitchers, and Kirkman and Baker, infielders, are other players of experience who are counted on for effective work.

MID-SEASON BASKETBALL

Since the February issue of THE ALUMNI REVIEW the basketball team has played eight games, of which only two were turned in as victories. Included in the five were two games with Virginia, one lost decisively, the other after a desperate fight.

North Carolina 26, Virginia 40

The first Virginia game, played in Charlottesville February 7th, was lost by the decisive score of 26 to 40. The result was a surprise, as the Tar Heels entered the contest favorites. Through nervousness, however, and over-anxiety they did not play the game that was expected of them. Virginia, on the other hand, played very fine basketball, probably the best they had shown during the season.

North Carolina 27, Georgetown 36

The fast Georgetown team, which has made a remarkable record this season, won from North Carolina, February 9th, in Washington, by the score of 36 to 27.

North Carolina 32, Catholic University 28

With two substitutes in the line-up the next night Carolina looked fresher and stronger. Erwin and Griffith both adding a good deal of vigor to the game, and Catholic University was defeated, 32 to 28.

North Carolina 24, Navy 36

Carolina played possibly her best game on the northern trip against the Navy, but she was up against the best team she met, and the game was lost, 24 to 36, only after a bitter struggle.

North Carolina 31, Virginia 37

The second Virginia game, played in Raleigh February 27th before a large crowd, brought the usual

hard fight, with Virginia winning, 37 to 31. It was the best played, most interesting, and, aside from the score, the most satisfying game Carolina has played this year except possibly the first Trinity game.

Trinity 20, Carolina 19

On March 1st in Bynum Gymnasium Trinity defeated Carolina by the score of 20 to 19. In the early part of the season Carolina had defeated Trinity in Durham.

Carolina Wins and Loses

Carolina defeated A. and E. in Chapel Hill on March 3rd by the score of 42 to 12. In Raleigh on March 6th A. and E. defeated Carolina by the score of 32 to 21. This second game with A. and E. concluded Carolina's basketball season.

GUBERNATORIAL CANDIDATES ON HILL

With the determination of bringing all the gubernatorial candidates to Chapel Hill so that the student body might have a chance to look them over, the Campus Cabinet, acting through its chairman, C. P. Spruill, Jr., wrote to the three candidates for the Democratic nomination, Max Gardner, Cameron Morrison, and Robert N. Page, in February, inviting them to speak at the University.

At the same time a letter was sent to Chairman Frank Limney, of the Republican committee, notifying him that the students would invite any Republican candidate as soon as he declared himself.

A date was arranged for Max Gardner first and he spoke on February 25th to a crowd of students and members of the faculty that jammed Gerrard Hall to the doors. Introduced by Dr. Archibald Henderson, Mr. Gardner drew a round of applause and cheers by saying that the last time he had appeared on the platform in Gerrard Hall was at a jubilee celebration held by the victorious football team in 1905.

He spoke for forty minutes and received close attention. Announcing his platform as "Life and more abundant life for all the people of the State," he devoted a large part of his time to an educational appeal. On national issues he came out for "drastic restriction of immigration for at least five years, deportation or jailing of those who are tearing at the vitals of the nation's life, and Americanization." Touching labor, he said: "This country cannot expand under an autocracy of labor any more than under an autocracy of wealth. The right of both labor and wealth to organize should be subject to law, or the one will lead to Bolshevism, the other to despotism."

ESTABLISHED 1916

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"One for all, and all for one"

Council:

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LESLIE WEIL, '95
L. R. WILSON, '99
A. W. HAYWOOD, '04
W. T. SHORE, '05
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2. Tell the teachers you meet with that they should attend the Summer School June-July. Send the names of the high school boys who should be on the Hill in September.
3. Have you made your will? If you have not, make it and put Carolina in. If you have, and failed to include Carolina, add a codicil for her benefit.
4. Endow one, two, or five fellowships in subjects of your choice with which the best men can be held in the Graduate School.
5. Establish one, two, or five scholarships for students who cannot otherwise go to college.
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I reserve the right to revoke at will.

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THE ALUMNI REVIEW

Issued monthly except in July, August, and September, by the General Alumni Association of the University of North Carolina.

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THE REVIEW is edited by the following Board of Publication

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Subscription Price

Single Copies \$0.20
Per Year 1.50

Communications intended for the Editor and the Managing Editor should be sent to Chapel Hill, N. C. All communications intended for publication must be accompanied with signatures if they are to receive consideration.

OFFICE OF PUBLICATION, CHAPEL HILL, N. C.

Entered at the Postoffice at Chapel Hill, N. C., as second class matter.

THE UNIVERSITY IN PRINT

An unusually interesting series of articles, involving detailed research, has been appearing in *The High School Journal*. This series, entitled "The Academy Movement in the South," is written by Professor Edgar W. Knight, whose work in secondary education in North Carolina (Houghton, Mifflin Co.) is widely and favorably known. Part of an address given by Professor Knight before the North Carolina Teachers' Assembly, at Raleigh, N. C., November 26, 1919, on "Public Education in the South; Some Inherited Ills and Some Needed Reforms," occupies the leading position in *School and Society* for January 10, 1920 (vol. xi, No. 263).

A new magazine, *The Southern Review*, edited by Mr. and Mrs. Leo Perla, has recently appeared. It is published in Asheville, North Carolina. The magazine, in its opening number (January, 1920), makes an appeal for "constructive thinking, the best thought that can be brought to bear on the grave problems that are menacing the future of America." The first issue carries, among others, contributions by Miss Mary Graves, Dr. C. Alphonso Smith, and Dr. Edwin A. Alderman. The second number (March) begins a Department of Rural Culture, edited by Miss Lulu M. Cassidy, former school supervisor for Orange County; and under this head appears in full Professor E. C. Branson's "North Carolina's Scheme of Rural Development." THE ALUMNI REVIEW welcomes the appearance of *The Southern Review*, with its constructive program of giving effective expression to the South's "will to service" for America.

The annual report of W. A. Graham (class of 1860), Commissioner of Agriculture, for 1919, affords stimulating reading. It is shown that, according to the United States Bureau of Crop Estimate, North Carolina ranks fourth. Since 1910 North Carolina has risen from the twenty-second State as to value of crops to the fourth place, as indicated—a truly remarkable and gratifying evidence of agricultural development and advance.

A bulletin useful for reference and to be relied upon for accuracy is the "Directory of the State and County Officials of North Carolina" (revised). It is one of the publications of the North Carolina Historical Commission, Legislative Reference Library, and is the work of the head of the bureau, H. M. London (U. N. C., class of 1899).

A book which, for its intrinsic interest and local appeal, deserves a much fuller notice than space here permits, is "The 321st Infantry, 'Wildcats,' 81st Division," by Clarence Walton Johnson (A.B., U. N. C., 1912), Corporal H Co., 321st Inf. (R. L. Bryan Co., Columbia, S. C., 1919.) University of North Carolina alumni, in the order in which they appear on the official roster, are: Capt. Curtis Bynum, Adjutant; Second Lieut. Guy L. Neely; First Lieut. Hal B. Ingram; Capt. Augustine W. Folger; First Lieut. Reynolds T. Allen; Capt. Henry L. Ingram; Second Lieut. Thomas F. Borden; Second Lieut. Robert L. Brinkley; First Lieut. Claude A. Cochrane; First Lieut. Claude F. Andrews, and Capt. DeWitt R. Austin. In the successful "show," entitled "O U Wildcats," which was given in the large theaters of Paris, Tours, and Le Mans, one of the big "song hits" was entitled "The Bloody War," by Sergt. H. G. Reagan (U. N. C., class of 1914). Corporal Johnson's book is delightful to read, and is filled with accurate information, informing illustrations, and official maps and data. In speaking of the attack of the 81st Division on November 9th, 10th and 11th (Armistice Day), General Pershing wrote: "The bearing of the division . . . showed the mettle of officers and men, and gave promise of what it would become as a veteran. With such a record, the division may return home proud of its service in France as a part of the A.E.F."

An important contribution to the history of North Carolina is embodied in three quarto volumes, bearing the imprint of the Lewis Publishing Company (Chicago and New York, 1919). Volume I, by R. D. W. Connor (U. N. C., class of 1899), Secretary of

the North Carolina Historical Commission, is entitled: "The Colonial and Revolutionary Periods, 1584-1783." Volume II, by W. K. Boyd, Professor of History in Trinity College, is entitled: "The Federal Period, 1783-1860." Volume III, by J. G. deR. Hamilton, Alumni Professor of History in this institution, is entitled: "North Carolina Since 1860." No extended review in this place is permissible for lack of space. Attention is called to the features of this work especially deserving of attention, namely: the immense quantity and variety of some materials upon which the authors have drawn, materials which, in many cases, have not been drawn upon by those who have written the State's history; the scholarly character of the work, each volume being written by a trained historian, deeply versed in the history and literature of the period; the careful citation of authority and the bibliographical lists, which should prove useful to students; and the unaffected, straightforward style of all three volumes, even though each is written by a different hand. In his volume, Mr. Connor's purpose, as he states it in the preface, "has been to bring out more fully than has heretofore been attempted the relation of North Carolina to the British Empire in America of which it was a part;" and this he has done more fully and effectively than anyone who has preceded him. Professor Boyd's task was perhaps the most difficult of the three—for two reasons: First, that it lacked the romantic color and high narrative interest afforded, in the one case, by the founding of the colony and by the great drama of the Revolution, in the other by the war of the sections with its complex and stirring aftermath of reconstruction; and second, that the Federal period has been less studied than any other period of our history. Much research was required for the production of this volume, and chapters of exceptional interest are: "Banking Problems, 1804-1835," "Religious Development After the Revolution," and "Academies and Higher Education." The author of the standard work, "Reconstruction in North Carolina," had already established himself as the leading authority in the Civil War and post-bellum eras; and his interest in current political questions, constitutional reform, and large issues of public welfare give authority and force to the volume by Dr. Hamilton. Of particular interest are the chapters on "White Supremacy," "Educational Development," and "Social Tendencies."

The results of research conducted by Dr. W. deB. MacNider, in the Laboratory of Pharmacology here, are embodied in his three papers, published in 1919.

These are: "The Susceptibility of Naturally Nephropathic Animals to Acute Mercuric Chloride Intoxication" (*Journal of Medical Research*, volume xxxix, No. 4), March, 1919; "A Functional and Pathological Study of the Chronic Nephropathy Induced in the Dog by Uranium Nitrate" (*Journal of Experimental Medicine*, vol. xxix, No. 5, May 1, 1919, with plates); and "On Occurrence of Degenerative Changes in the Liver in Animals Intoxicated by Mercuric Chloride and by Uranium Nitrate" (*Proceedings of the Society of Experimental Biology and Medicine*, vol. xvi, 1919). These papers, the conclusions of which need not be summarized here, constitute constructive evidence of continuation of the important researches in this field which Dr. MacNider has been conducting for a number of years past.

More than 2,000 North Carolina boys and girls in 250 high schools of the State are now at work in preparation for the eighth annual contest of the High School Debating Union.

The query which is to be discussed this year is: Resolved, That the United States should adopt a policy of further material restriction of immigration. The triangular debates will be held over the State on April 9th, and the final contest for the Aycock Memorial Cup will be held at the University on April 22nd and 23rd.

The High School Debating Union was organized by the University and the high schools in the college year 1912-13. A great deal of interest is being manifested in the debates this year on the part of nearly all of the accredited high schools of the State.

Fifteen Carolina alumni received license to practice law at the Supreme Court examinations in January. Twelve of these went direct from the University Law School. The list follows:

E. B. Bridges, Charlotte; Lyn Bond, Edenton; H. A. Jones, Greensboro; A. H. King, Burlington; D. B. Leatherword, Waynesville; Z. V. McMillan, Red Springs; Miss Frances McKenzie, New Bern; S. D. McCullen, Goldsboro; E. J. Perry, Kinston; F. O. Ray, Selma; R. B. Robbins, Lexington; B. E. Weathers, Shelby; C. E. Blackstock, Asheville; C. B. Woltz, Gastonia; J. H. Rand, Raleigh.

Dr. John M. Manly, head of the department of English at the University of Chicago and one of the most distinguished English scholars in the country, conducted a week's English seminar course the last week in February. His lectures centered around pre-Shakespearean drama, in which subject Dr. Manly is a recognized authority.

THE GENERAL ALUMNI ASSOCIATION
of the
UNIVERSITY OF NORTH CAROLINA

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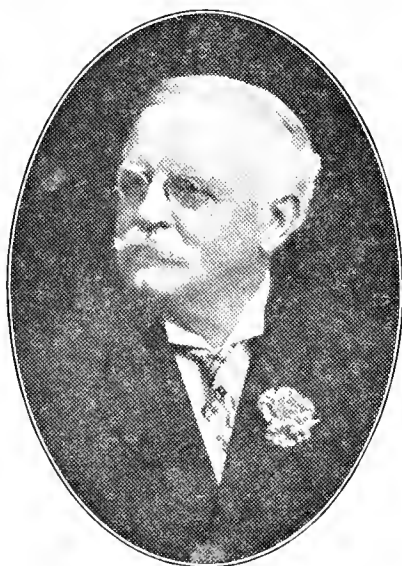
Executive Committee: Walter Murphy, '92; Dr. R. H. Lewis, '70; W. N. Everett, '86; H. E. Rondthaler, '93; C. W. Tillet, Jr., '09.

WITH THE CLASSES

1859

—Capt. J. E. Beasley, of Memphis, Tenn., is one of the few surviving members of the class of '59. Captain Beasley attained the rank of captain through service in the armies of the Confederacy. His business pursuits have been for the most part in the insurance field. Captain Beasley is a former member of the Memphis board of school commissioners. He attended the 50-year reunion of his class in 1909.

1866



GENERAL J. S. CARR, OF DURHAM,
President of the 1920 State Fair

1879

—C. C. Covington is at the head of the C. C. Covington Co., molasses importers of Wilmington. Mr. Covington is president of the New Hanover County Alumni Association.

1880

—George Green is secretary and treasurer of the F. H. Adams Cooperage Co., New Bern. This corporation manufactures gum and cottonwood slack barrel heading and staves. —E. R. Overman is president of the Overman Co., wholesale grocers of Salisbury, and is treasurer of the Boyden-Overman Co., cotton buyers.

1881

—Dr. W. D. Pemberton, well-known physician of Concord, has a son in the University this year.

1883

—H. A. Tillet is general attorney for the Kopley-Bright Oil Co., at Dallas, Texas.

—R. A. Doughton, lawyer of Sparta, has been elected vice-president of the Elkin and Alleghany railroad.

1884

—B. F. White is in the faculty of the University of California, at Berkeley.

1885

—George Gordon Battle, well-known lawyer of New York City, has accepted the national chairmanship of a campaign to raise one million dollars for Sweet Briar College, Virginia.

—Col. J. H. Holt, of Burlington, is president of the Alamance Bank and Trust Co., vice-president of the Glencoe and Elmira mills, and secretary and treasurer of the Lakeside mills.

—Herbert Rountree is engaged in the manufacture of the "Ideal" sweeping compound, at Oxford.

1887

—Louis M. Bourne and Haywood Parker are in law partnership under the firm name of Bourne and Parker, at Asheville.

1888

—C. G. Foust is at the head of the lumber firm of R. B. Spencer and Co., Dublin, Texas.

—L. B. Edwards is connected with various financial and business enterprises at Live Oak, Fla.

1889

—Lake Moore is an Oklahoma land owner. He lives at Muskogee.

1891

—Henry Staton, a native of Tarboro, is an attorney and counsellor at law with offices in the Union Trust Bldg., 80 Broadway, New York City.

—Wm. J. Andrews is a mechanical engineer, of Raleigh.

—J. S. Lewis, of Asheboro, is president of the First National Bank of Asheboro. He is also president of the Riverside cotton mills of Worthville.

1892

—W. C. Hammer, Law '92, of Asheboro, U. S. district attorney for the western N. C. district, is a candidate for the Democratic nomination for Congress from the seventh district.

—Rev. W. E. Rollins, a native of Asheville, is professor of church history in the Episcopal Theological Seminary at Alexandria, Va.

—F. L. Rollins, formerly of Salisbury, is located at Petersburg, Va., where he is at the head of the Mataoca Cotton Mills.

—T. C. Everett, of Laurinburg, former member of the legislature, is engaged in farming in Scotland County.

—J. G. Walser is proprietor of the Cash Grocery Co., at Lexington.

1893

—J. F. Hendren, attorney of Elkin, has been chosen general counsel of the Elkin and Alleghany railroad.

1895

—Dr. James Sawyer, formerly of Asheville, writes that his permanent address is Hotel Olmsted, Cleveland, Ohio.

—W. L. Scott is manager of the credit department of the N. C. Public Service Co., at Greensboro.

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Statement of the Condition of
THE FIDELITY BANK
 OF DURHAM, N. C.

Made to the North Carolina Corporation Commission
 at the Close of Business, Sept. 12, 1919

RESOURCES

Loans and Investments	\$3,759,035.11
Furniture and Fixtures	17,681.42
Cash Items	847,421.37
Cash in Vaults and with Banks	763,893.55
Overdrafts	842.79
	<hr/> \$5,388,874.24

LIABILITIES

Capital Stock	\$ 100,000.00
Surplus	500,000.00
Undivided Profits	107,596.17
Interest Reserve	6,000.00
Dividends Unpaid	195.01
Deposits	4,261,285.21
Unearned Interest	8,657.49
Contingent Fund	5,140.36
Borrowed Bonds	100,000.00
Bills Payable	300,000.00
	<hr/> \$5,388,874.24

B. N. DUKE, President JNO. F. WILY, Vice-President S. W. MINOR, Cashier
 L. O. KIRKLAND, Assistant Cashier JNO. A. BUCHANAN, Assistant Cashier

The strength of this bank lies not alone in its Capital, Surplus, and Resources, but in the Character and Financial Responsibility of the men who conduct its affairs



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 President of the 1919 State Fair

The Yarborough

RALEIGH'S LEADING AND
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 IN RALEIGH

B. H. Griffin Hotel Company
 Proprietors

1896

—J. Guy Rankin, a native of Asheville, continues in the banking business at Campobello, S. C.

—Dr. D. R. Bryson practices his profession, medicine, at Bryson City.

—H. B. Peschau is engaged in the manufacture of ice at Wilmington.

—R. G. Vaughn, of Greensboro, served as treasurer of the endowment committee from the Presbyterian Synod of North Carolina, which was successful in raising by March 1st, one million dollars for the North Carolina schools and colleges conducted under Presbyterian auspices. A. M. Scales, '92, of Greensboro, was chairman of this committee, and J. Harvey White, '96, of Graham, was a member of the committee.

—J. G. Hollowell is engaged in farming in Pasquotank County, near Elizabeth City.

1897

—J. C. Holliday is a furniture dealer and undertaker at Clinton.

—Cameron F. MacRae is a special assistant to the Attorney General of the United States. He is located at Asheville.

1898

—R. R. Ragan, of High Point, is one of the incorporators and principal owners of a newly organized cotton mill at High Point.

—J. G. McCormick is secretary and treasurer of the Aeme Mfg. Co., manufacturers of fertilizers and acid phosphates, at Wilmington.

—F. M. Pinnix, of Oxford, is editor of the *Orphan's Friend*.

—T. N. Webb is secretary and treasurer of the Bellevue Mfg.

Co., cotton manufacturers, of Hillsboro. This mill is now making a large addition to its plant.

1899

H. M. WAGSTAFF, *Secretary*, Chapel Hill, N. C.

—Jas. L. McNair is a successful business man of Laurinburg. He is interested in various Scotland County enterprises.

—T. S. Kenan, Jr., is one of the leading business men of Atlanta. He is president of the Atlanta Cotton Oil Co., and is identified with other enterprises of the city.

—B. B. Dougherty has been president of the Appalachian Training School at Boone since this institution was established.

—W. A. Smith taught school at Norwood, Stanly County, for several years, following his graduation from the University, and then entered the cotton mill business at Albemarle. He has been engaged in this business at Albemarle since and is now assistant superintendent of the Wiscasset Mills. These mills, with 100,000 spindles, are among the largest in the State.

—After leaving Chapel Hill, R. S. Satterfield took a degree at Vanderbilt University, Biblical Department, and, following that, spent fifteen years as a Methodist minister in Oklahoma. Since August, 1918, he has been located in Nashville, Tenn., as assistant editor of the Nashville *Christian Advocate*.

1900

W. S. BERNARD, *Secretary*, Chapel Hill, N. C.

—Gaston L. Myers is engaged in the tailoring business in the Monticello Hotel building, Norfolk, Va.

—W. Frank Bryan has been for a number of years in the faculty of Northwestern University, Department of English, at Evanston, Ill.

—Jos. Erwin Gant lives at Burlington and is engaged in the cotton mill business.

—Ed N. Smith is secretary and treasurer of the Albemarle Grocery Co., wholesale, at Albemarle.

—W. G. Wharton is credit manager of the Cone Export and Commission Co., Greensboro. He plans to attend the twentieth year reunion of the class of 1900 at Commencement.

1901

DR. J. G. MURPHY, *Secretary*, Wilmington, N. C.

—C. C. Robbins is superintendent of the Piedmont Mills Co., cotton manufacturers, of High Point.

—Dr. C. A. Shore continues as director of the State laboratory of hygiene, Raleigh.

—Rev. C. P. Coble has been since 1913 pastor of the First Presbyterian Church of High Point. Prior to 1913 he was in the Presbyterian ministry at Macon, Ga.

—Dr. J. K. Hall, who is at the head of Westbrook Sanitorium, Richmond, Va., was elected secretary and treasurer of the Tri-State Medical Society, at the annual meeting of this medical body in Charlotte in February.

1902

L. F. LEWIS, *Secretary*, University, Va.

—R. P. Gibson, of Concord, travels in the North Carolina cotton mill belt in the interest of the Carolina Mill Supply Co., of Greenville, S. C.

—Dr. J. S. Gibson is a physician and eye specialist of Gibson.

—J. Frazier Glenn is a lawyer of Asheville, a former judge of the city police court.

—Dr. Charles C. Orr, Med. '02, practices his profession, medicine, in Asheville. In service he was a captain in the medical corps.

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R. L. STROWD	Vice-President
M. E. HOGAN	Cashier



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New Dresses of Silks, soft Satins, and fine Silk Crepes, shown in the latest models.

All kind of cotton piece goods, Wool and Silk Dress Fabrics, Hosiery and Kid Gloves; Gossard Front-Lacing Corsets.

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—Benj. Bell, Jr., formerly news editor of the Richmond, Va., *Times-Dispatch*, is now on the staff of Cecil, Barretto and Cecil, a well known advertising agency of Richmond.

—J. B. Cheshire, Jr., lawyer of Raleigh, is president of the Wake County Alumni Association.

—Dr. Richard N. Duffy, physician of New Bern, read a paper before the Tri-State Medical Association at the meeting of this medical body in Charlotte in February.

—A. R. Hoover, of Concord, has embarked in the hosiery mill business and is now secretary and treasurer of the Hoover Hosiery Co.

—The marriage of Miss Harriet Deaver and Dr. Emory Graham Alexander took place February 17th at the home of the bride's parents in Philadelphia. They are at home at 337 South 18th St., Philadelphia.

1903

N. W. WALKER, *Secretary*, Chapel Hill, N. C.

—N. Lunsford is engaged in the practice of law at Roxboro.

—G. G. Gallaway is engaged in the real estate business at Charlotte, with offices at 22 E. 5th St. He is at the head of the Traders' Land Co.

1904

T. F. HICKERSON, *Secretary*, Chapel Hill, N. C.

—A. W. Latta is secretary and treasurer of the Gastonia Cotton Yarn Co., direct selling agents for twenty or more Gastonia cotton mill corporations, at Mariner and Merchant Bldg., Philadelphia, Pa. J. H. Daingerfield, '93, is president of this company.

—W. W. Eagles is engaged in farming at his home near Macesfield. He is a member of the board of county commissioners of Edgecombe County.

—J. A. Hornaday is located at his home town, Liberty.

1905

W. T. SHORE, *Secretary*, Charlotte, N. C.

—H. H. Philips, lawyer of Tarboro, is solicitor of the Edgecombe County recorder's court.

—Chas. H. Sloan, formerly a chemist at Ensley, Ala., is now postmaster at his home town, Belmont. Mr. Sloan is vice-president of the Gaston County Alumni Association.

—D. E. Henderson, Law '05, formerly an attorney of New Bern, is now in law practice at Charlotte, with offices in the Law Bldg.

—H. S. Lewis practices his profession, law, in Suffolk, Va.

—Oscar B. Carpenter, Phar. '05, of Gastonia, register of deeds of Gaston County, was elected in February vice-president and treasurer of the Mason cotton mills, located at Kings Mountain.

1906

MAJ. J. A. PARKER, *Secretary*, Charlotte, N. C.

—A. H. McLeod, Law '06, is engaged in the automobile business at Lumberton.

—J. E. Millis is secretary and treasurer of the Piedmont Mills Co., cotton manufacturers, of High Point.

—W. B. Love, lawyer of Monroe, is president of the Union County Alumni Association. He is also president of the class of 1906.

—Dr. Ben F. Royal practices medicine at Morehead City. He has been located at Morehead City for a number of years.

—Chas. H. Keel is connected with the legal department of the Curtiss Engineering Co., builders of airplanes at Garden City, Long Island, N. Y.

—W. M. Crump is superintendent of the Vance cotton mills and general manager of the Salisbury cotton mills, at Salisbury.

—Carter Dalton is engaged in the practice of law at High Point. He is associated with Col. Wescott Roberson, '96, under the firm name of Roberson and Dalton.

1907

C. L. WEILL, *Secretary*, Greensboro, N. C.

—S. H. Farabee is editor of the *Hickory Daily Record*, one of the newest of the State papers.

—Dr. Geo. W. Shipp, Med. '07, physician of Newton, is county physician for Catawba County.

—J. B. Douthit is engaged in farming and merchandising at Clemmons.

—W. J. Barker is engaged in the cotton mill business at Burlington. Formerly he was located at Altamahaw.

—L. W. Parker, formerly instructor in French in the University, and more recently in the faculty of the University of Minnesota, is now connected with the S. M. Parker Lumber Works, manufacturers of long-leaf yellow-pine lumber, 85-89 Concord St., Charleston, S. C.

—C. L. Weill is president of the insurance firm of Miller, Robins and Weill, at Greensboro. Marmaduke Robins, '08, is secretary and treasurer of this firm.

—I. I. Davis is secretary of the Hartsell Mills Co. at Concord. The principal product of this company is damask, called "Colonial Damask."

1908

M. ROBINS, *Secretary*, Greensboro, N. C.

—Raymond Chatham is an official of the Chatham Mfg. Co., manufacturers of woolen blankets at Elkin. Mr. Chatham's corporation filled large orders for blankets for the army during the war.

—S. Singletary, Jr., is connected with the firm of N. A. Currie and Co., at Clarkton.

—Fred I. Sutton, former mayor of Kinston, practices law in this city.

—B. L. Banks is a lawyer of Gatesville and a member of the board of trustees of the University.

—Lieut. Osear R. Rand is attached to headquarters at Camp Gordon, Ga.

—Judge W. P. Stacy resigned on March 1st as judge of the superior court of the eighth N. C. judicial district, and has resumed the practice of law in Wilmington. Judge Stacy received the appointment to the bench from Governor Craig on January 1, 1916. While on the bench he made the reputation of being one of the ablest superior court judges in the State.

1909

O. C. COX, *Secretary*, Greensboro, N. C.

—J. W. Umstead, Jr., is one of the incorporators of the Real Estate and Insurance Co., at Tarboro. Others of the incorporators are Don Gilliam, '09, and Geo. A. Holderness, of the board of trustees of the University.

—W. B. Jerman is assistant treasurer of the Virginia Trust Co., at Richmond.

—Dr. J. M. Maness, former Carolina football star, practices medicine at Ellerbe.

—J. A. Lindsay is engaged in the manufacture of parlor furniture at High Point.

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in the Capital City

GILBERT CRABTREE, Manager

1910

J. R. NIXON, *Secretary*, Edenton, N. C.

—D. S. Harris is engaged in farming at his home near Enfield.
—The marriage of Miss Virginia Stanback and Mr. Paul Vernon Godfrey, Place 110, took place January 2d, at Washington, D. C. They live at Spray, where Mr. Godfrey is engaged in the drug business.

—C. B. Spencer is a lawyer of Swan Quarter, a member of the firm of Spencer and Spencer.

—Dr. A. M. Wooten, M. D., 1910, practices his profession, medicine, at Pinetops, Edgecombe County.

—L. C. Warren, State Senator from Beaufort County, and president pro tem of the Senate, practices law in Washington.

—Dr. Lee F. Turlington continues the practice of medicine at Birmingham, Ala., with offices in the Empire Bldg.

—W. Marvin Snider continues as president of the Snider Co., wholesale grocers of Salisbury.

—Dr. D. B. Sloan is now located in Wilmington, with offices in the Murchison National Bank Bldg. He is a specialist in diseases of the eye.

—E. L. Franck is engaged in farming at his home near Richlands, Onslow County.

1911

L. C. MOSER, *Secretary*, Asheboro, N. C.

—W. E. Miller is with Fogle Bros. Co., builders, of Winston-Salem. His work is draughtsmanship and estimating.

—The engagement of Miss Sadie Thomas and Mr. John P. Watters, both of Charlotte, has been announced. Mr. Watters is connected with the Ford assembling plant in Charlotte.

—Rev. J. G. Walker's address is 1004 Buncombe St., Greenville, S. C. Mr. Walker is a Presbyterian minister of Greenville.

—J. S. Cowles is on the staff of the Jacksonville, Fla., *Times-Union*. His address is Deland, Fla.

—Paul Dickson is engaged in the insurance and real estate business at Raeford. He is agent for the New England Mutual Life Insurance Co.

—C. M. Waynick is associate editor of the Greensboro *Daily Record*. Mr. Waynick received the commission of second lieutenant in the reserve corps, infantry, from the Central Officers Training School, Camp Gordon, Ga., on Nov. 30, 1918.

—C. E. McIntosh is superintendent of the Maiden schools.

1912

JOHN C. LOCKHART, *Secretary*, Raleigh, N. C.

—R. R. King, Jr., practices his profession, law, in Greensboro.

—W. P. Moore, following his discharge from the service, returned to Godwin, where he is again superintendent of schools.

—W. T. McLean is engaged in the lumber business at Thomasville, Ga. "Mac" is a native of Raeford.

—Walter Carter is engaged in engineering and contracting, electrical, at Salisbury. In service he was first lieutenant of engineers.

—L. E. Stacy has been, since he left the "Hill," chemist for the Wilkesboro tannery of C. C. Smoot and Sons Company, at North Wilkesboro. Mr. Stacy is married and has one son.

—C. W. E. Pittman, former principal of the Wilmington high school, is engaged in the insurance business at Rocky Mount.

—J. S. P. Fenner is located at Rocky Mount, where he is engaged in the insurance business. He is secretary of the Rocky Mount Alumni Association.

What a United States Senator wrote to his son-in-law

EVERY successful man in business feels a responsibility for the younger men with whom he is associated.

How can he help them?

Not by money. Not by influence. Help of this character defeats its own ends; it weakens rather than strengthens the man who receives it.

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What the Senator wrote

SOME time ago a young business man in one of the leading southern cities enrolled for the Institute's Modern Business Course and Service.

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BUSINESS and educational authority of the highest type are represented on the Institute's Advisory Council. That Council consists of:

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CONTRACTOR PHILLIPS HALL
UNIVERSITY OF NORTH CAROLINA

—R. H. Johnston, cotton manufacturer of Charlotte, is one of the incorporators of the Easter Mfg. Co., the latest cotton mill corporation for Selma.

—Rev. F. B. Drane continues as a missionary of the Episcopal Church at Nenana, Alaska.

—Born to Mr. and Mrs. Robert M. Hanes, of Winston-Salem, a son, Edwin Borden Hanes.

—Dr. A. J. Warren, former assistant State health officer, has taken up his new duties as city health officer and city physician of Charlotte.

—Graham K. Hobbs, of Clinton, has been appointed deputy collector of internal revenue for New Hanover, Brunswick and Pender counties. His headquarters are in the customs house at Wilmington.

—The marriage of Miss Frances Walker and Mr. Charles W. Broadfoot take place February 18th at Asheboro. They live in Fayetteville, where Mr. Broadfoot is engaged in the practice of law.

—The marriage of Miss Marie Lentz and Mr. William Myers Jones took place February 25th at the Second Presbyterian Church, Charlotte.

1913

A. L. M. WIGGINS, *Secretary*, Hartsville, S. C.

—W. Raleigh Petteway, of Tampa, Fla., is the first member of the class of 1913 to become a judge. Judge Petteway was appointed in December by the Governor of Florida as judge of the juvenile court of Hillsborough County.

—Robert W. Isley is superintendent of schools for Sampson County, and is located at Clinton.

—J. B. Oldham is farming at his home near Chapel Hill. He saw service as a member of Co. K, 120th Infantry, 30th Division. On September 29, 1918, Mr. Oldham was wounded as the Hindenburg line was broken. He spent several months in the hospital.

—J. W. Carter is secretary and treasurer of the Oxford Machine Shop and Garage Co., Inc., at Morganton.

—F. H. Higdon is engaged in the wholesale grocery business in his home town, Franklin.

—A. L. M. Wiggins, vice-president and managing director of the Trust Company of South Carolina at Hartsville, was recently elected vice-president and director of the Bank of Hartsville.

—Announcement has been made that Eugene R. Clarkson and Lowry Axley, '13, have formed a partnership for the practice of law under the firm name of Clarkson and Axley, with offices in the Masonic Annex Bldg., Griffin, Ga.

—Frank H. Kennedy, lawyer of Charlotte, is county chairman for Mecklenburg County of the Near East Relief organization.

—S. R. Bivens, the father of 1913's oldest son, is county farm demonstrator for Guilford County, located at Greensboro.

—Arnold A. McKay, former of U. S. consul at Antafogasta, Chile, is now teaching English in the U. S. Naval Academy, Annapolis, Md.

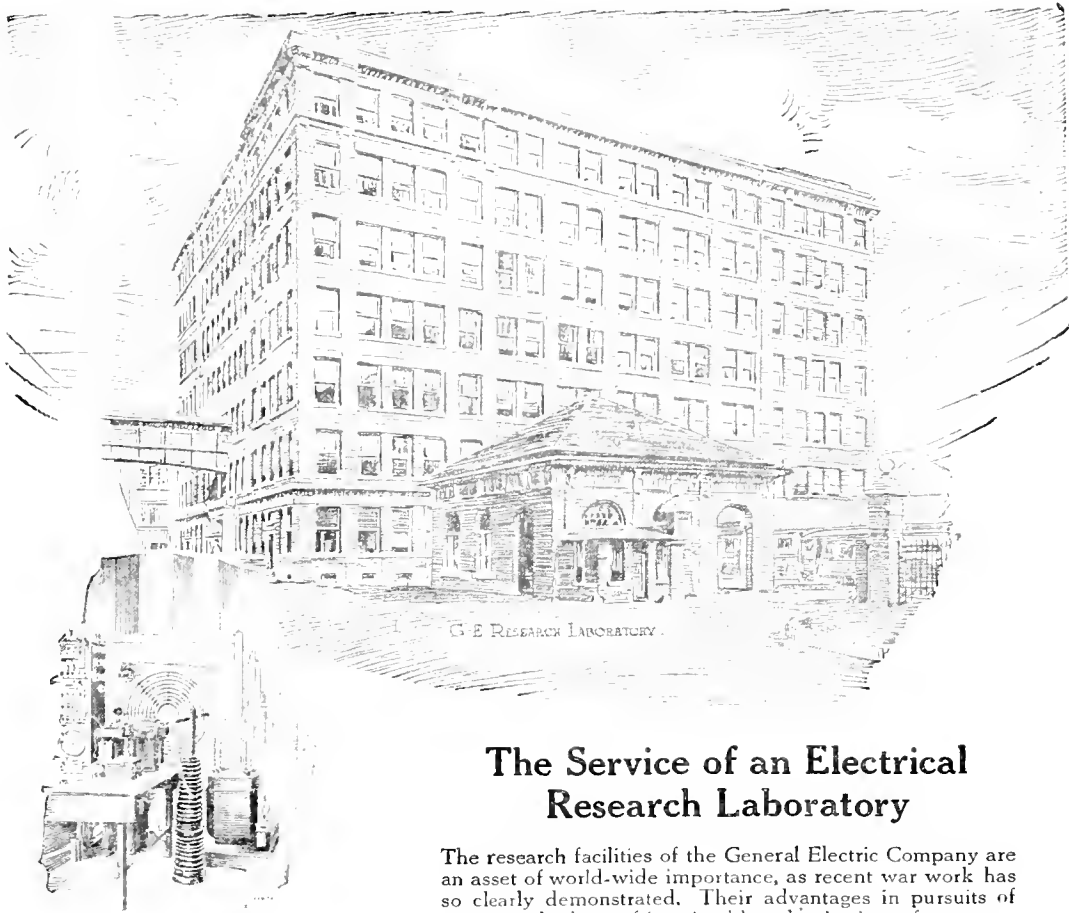
1914

OSCAR LEACH, *Secretary*, Raeford, N. C.

—John L. Henderson, Phar. '14, is manager and part owner of the City Drug Co., Burlington.

—W. B. Townsend, following his discharge from service, located again in his home town, Red Springs, where he is engaged in business.

—W. H. H. Cowles, Law '14, first lieutenant of coast artillery while the war was in progress, is now engaged in the practice of law at Statesville.



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In the laboratories are employed highly trained physicists, chemists, metallurgists and engineers, some of whom are experts of international reputation. These men are working not only to convert the resources of Nature to be of service to man, but to increase the usefulness of electricity in every line of endeavor. Their achievements benefit every individual wherever electricity is used.

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—W. F. Credle is now a banker of Swan Quarter. He is assistant cashier of the Bank of Swan Quarter.

—T. T. Covington, Jr., is manager of the Covington Supply Co., dealers in building material at Laurinburg.

—Dr. C. W. Eley, following his recent discharge from the service as first lieutenant in the medical corps, has located for the practice of medicine at suite 208, Hirm Bldg., Portsmouth, Va. He limits his practice to dermatology and urology. A son was born to Dr. and Mrs. Eley on January 29th.

—Harry B. Grimsley is now farming near Greensboro. In service he was first lieutenant in the 65th F. A., stationed at Camp Kearney, Calif.



W. R. SANDERS, OF SMITHFIELD,
Chief Marshal of the 1919 State Fair

1915

DANIEL L. BELL, *Secretary*, Pittsboro, N. C.

—Julius Johnston, lawyer of Yanceyville, is a member of the firm of Ivie, Trotter and Johnston.

—J. L. Morehead is engaged in cotton manufacture at Charlotte and Leaksville.

—J. Shepard Bryan is principal of the Hemenway School, at Wilmington.

—S. H. De Vault, who was at one time connected with the department of rural economics and sociology in the University, is now located at 1219 M St. N.W., Washington, D. C. He writes that he is with the Census Bureau, engaged in tabulating the information collected during the recent census.

—Claude B. Woltz has located in Gastonia for the practice of law. Mr. Woltz received license to practice law in January.

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CHARLOTTE, N. C.**

In service Mr. Woltz had the rank of captain in the Q. M. C. He was in service for two years, nine months of which time he spent in France.

—L. A. Blue, Jr., is engaged in the real estate and insurance business at St. Louis, Mo. His address is Apartment B-9, 316 Laurel Ave. In service Mr. Blue was a first lieutenant of infantry, attached to the staff of Brigadier-General Geo. W. McIver, '73, commander of the 161st Infantry Brigade of the 81st Division.

—Press dispatches in early February stated that B. F. Wellons, Charlotte lawyer, had been instrumental in a Catawba County cotton mill transfer which had netted him fifteen thousand dollars.

1916

HUGH B. HESTER, *Secretary*, Capt. and Adj. 12th F. A., Camp Travis, Texas

The railroad problem has no terrors for J. M. Parker, '16, and W. M. York, '19, members of the faculty of the Greensboro city schools, who yesterday walked from Chapel Hill to Greensboro, a distance of 52 miles.

At 1:40 o'clock yesterday morning Messrs. Parker and York began their journey. They breakfasted in Mebane and paused for a rest following the meal. They dined at Elon College, where they secured another rest period, and they arrived in Greensboro at 7 o'clock last night.—Greensboro News, February 26th.

—P. Cleveland Gardner practices law at Hominy, Okla. He and Miss Tazzie Lloyd, of Chapel Hill, were married during the past fall.

—Zeb Vance Norman, Law '16, practices law in Plymouth.

—W. B. Rouse practices law at New Bern.

—Francis Bourne, of Asheville, served as captain of Battery E, 316th F. A., while the war was in progress. He was also acting major for a time.

—G. C. Royall, Jr., is connected with the Royall-Borden Mfg. Co., manufacturers of the Royal elastic felt mattress, at Goldsboro.

—S. R. Yarboro is manager of the Ford department of Foy and Shemwell, at Lexington. In service he was first lieutenant in the air service.

—G. Mebane Long, former star on the Carolina basketball and football teams, is in the stock, bond and general investment business at Charlotte, a member of the firm of Crayton and Long. L. B. Crayton, Davidson College football coach of the past season, is Mr. Long's partner.

1917

H. G. BAITY, *Secretary*, Ronda, N. C.

—John N. Wilson, Jr., of Greensboro, who served overseas as first lieutenant in the 321st Machine Gun Battalion, is a student of law in the University.

—"Nemo" Coleman, star Carolina football player and captain of the team during the past season, has located in his home city, Asheville, where he is engaged in the real estate business with his brother. Coleman's name stands high at Carolina, it having been his distinction to star in two Carolina-Virginia Thanksgiving contests, in which Carolina was victorious. In service "Nemo" was a first lieutenant of infantry in the 81st Division. He held a place in the backfield of the 81st Division team.

—Geo. W. Tandy is manager of the hardware firm of A. E. Lloyd and Co., Durham.

—Victor S. Bryant, Jr., has entered the practice of law in Durham as a member of the firm of Bryant, Brogden and

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Bryant. Victor S. Bryant, '90, and W. J. Brogden, '98, are the senior members of this firm.

—E. A. Kendall, who is with the branch bank of the National City Bank of New York at Santiago, Chile, writes: "I have now rounded out my first year in Chile and am very well satisfied with conditions here. The branch here opened only a little more than a year ago, so I got in practically on the ground floor. On account of the unstable exchange in Chile banking here is much more complicated than in the States, so I am getting some valuable experience."

1918

W. R. Wenssen, *Secretary*, Chapel Hill, N. C.

—Carolina friends of W. A. Erwin, Jr., of Duke, have learned with sorrow of the death of Mrs. Erwin, which occurred February 21st at Duke.

—M. R. Robbins is located in his home town, Rocky Mount, where he is engaged in business.

—E. A. Griffin is secretary and treasurer of the A. T. Griffin Mfg. Co., lumber manufacturers of Goldsboro.

—Leo Carr is superintendent of schools at Teachey. He is also a member of the firm of Carr and Turner, brokers in fruit and produce, with strawberries a specialty.

—W. G. Burgess continues as captain in the 18th F. A., at Camp Pike, Ark.

1919

H. G. WEST, *Secretary*, Chapel Hill, N. C.

—Thurmond Chatham, of Winston-Salem, has been chosen secretary and assistant to the president of the Elkin and Alleghany railroad.

—Robert Frazier is vice-consul of the United States at Christiana, Norway.

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Quality tells the difference in the taste between Coca-Cola and counterfeits.

Demand the genuine by full name—nicknames encourage substitution.

Get a bottle of the genuine from your grocer, fruit stand, or cafe.

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The University Press

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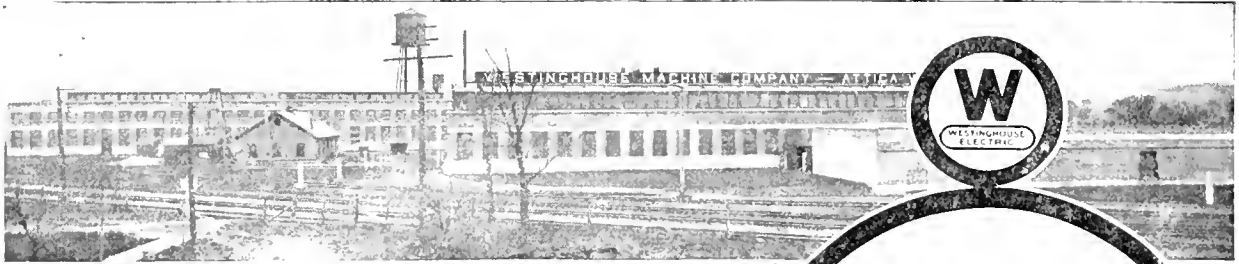
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RALEIGH, N. C.



1887

A Pioneer in the Stoker Field

Westinghouse was one of the first among the pioneers in the stoker field.

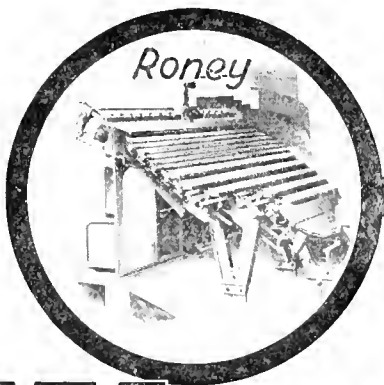
Although power stations have grown to enormous size, with sudden peak loads in some instances reaching as high as 300 and 400 per cent normal rating, the remarkable fact remains that the design of the Westinghouse Roney Stoker remains today practically the same as it was thirty-three years ago and that it still retains its firm position in the combustion field. This speaks for the accuracy of the original design. The Roney Stoker is particularly suitable for steady power demands with moderate overloads of 25 to 50 per cent, and it burns a wide range of fuels satisfactorily. Simple design, low first cost and ease of installation, strongly recommend it for plants of moderate size. Over three million horsepower have been installed.

Industrial expansion, however, has wrought many changes in power plant practice since 1887. Today mechanical stokers are called upon to burn everything from high-grade coals down to refuse. They are also called upon to meet the sudden and enormous steaming capacities. Hence, two additional stokers were added, and our line now includes the Chain Grate Stoker, particularly adapted to the burning of low-grade, high-ash fuels; and the Underfeed Stoker, which is unequalled in its ability to handle the sudden and enormous overload demands of central station service with the highest degree of efficiency.

1920

It is a fact of vital importance to the stoker buyer that we manufacture the three general types, because stoker application should be approached with an open mind and the stoker manufacturer should be guided in his recommendations purely by the facts that develop from a study of fuel and load requirements.

Westinghouse Electric & Manufacturing Co.
East Pittsburgh, Pa.



Roney



Chain Grate



Underfeed

Westinghouse



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Entering Top of
Glaze Mill with
Car of Green Grain*

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The powder worker trained in the school of the Hercules plants learns to take in all his surroundings at a glance. If he enters one of the small buildings on a dynamite or black powder line nothing escapes him. He sees instantly many things which the casual observer might gaze at for minutes without noticing.

A large part of the explosives used in the United States, and much that is used in foreign countries, is made by the men in twelve Hercules plants—four for dynamite and eight for black blasting powder.

Behind all our manufacturing industries and our railroads, behind all the useful and beautiful objects fashioned out of metals—from hob nails to scarf pins, and from steam shovels to limousines—stands the powder worker. Without the explosives he supplies—hundreds of millions of pounds annually—the miner's efforts to move the vast inert bodies of ore and coal would be as futile as the scratching of hands.



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